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## Natural Resources Engineer (Engineer I)(Job Id 10449)

**Location:** Pierre

**Employment Type:** Permanent Employee

**Agency:** Environment & Natural Resources

**Post Date:** 07/31/2018

### Description

**PLEASE ATTACH THE ADDITIONAL REQUIREMENT LISTED AT THE BOTTOM OF THIS PAGE**

Job ID: 10449

Agency: Department of Environment and Natural Resources; Division of Environmental Services

Salary: \$24.19 per hour

Pay Grade: E1

Closing Date: Open Until Filled

For more information on the Department of Environment and Natural Resources, please visit <http://denr.sd.gov/>.

This position will assist with the protection of South Dakota's water quality through the implementation of the state's permitting of Concentrated Animal Feeding Operations by:

- conducting engineering evaluations of plans and specifications for manure management systems and nutrient management plans to ensure they meet permit requirements;
- ensuring all application requirements are completed for operations that have submitted an application for permit coverage under the state's General Water Pollution Control Permit for Concentrated Animal Feeding Operations;
- conducting construction inspections to ensure manure management systems are constructed in accordance with approved plans and specifications - these inspections are performed outside in all weather conditions and are performed in settings with uneven terrain, construction equipment, and noise;
- inspecting Concentrated Animal Feeding Operations to ensure that the operations are in compliance with all applicable state and federal regulatory requirements and the state's general water pollution control permit - parts of these inspections are performed outside in all weather conditions and are performed in settings with uneven terrain, the presence of manure and wastewater, and noise;
- reviewing requests for modifications to animal waste system plan and specifications and nutrient management plans;
- preparing technical reports, including using geographic information systems to prepare maps;
- providing technical assistance to livestock producers, consultants, local government, and the general public.

A valid driver license is required.

Statewide travel is required approximately 20-25 percent of the time; and may be during inclement weather. Normal working hours are 8:00 a.m. - 5:00 p.m., five days per week. The position also requires frequent contact with the general public and the regulated community.

This incumbent will be trained in the Incident Command System and will be available to work in South Dakota's Emergency Operations Center during times when the Governor declares an emergency. This includes working outside the standard 8 to 5 workday and over weekends if called upon.

### **The Ideal Candidate Will Have:**

Only applicants possessing a bachelor's/master's degree in geological, environmental, civil or related engineering field will be considered. Applicants that have successfully passed the Engineer-In-Training/Fundamentals of Engineering license or the ability to obtain the license are preferred.

Knowledge of:

- the National Pollutant Discharge Elimination System (NPDES) or Surface Water Discharge program or other related programs and regulations;
- the practical application of engineering science. This includes knowledge of applying principles, techniques, procedures, and equipment to solve environmental and natural resources engineering problems;
- materials, methods, and the tools involved in the construction or repair of wastewater collection and treatment systems;
- the causes of water pollution and the principles, techniques, procedures and equipment of water pollution control;
- the livestock industry and agricultural practices;
- investigative procedures;
- the principles and processes for providing customer service.

Skill to:

- use mathematics to solve problems;
- use scientific rules and methods to solve problems;
- work with others to reconcile differences;
- effectively use of computers and various software programs such as Microsoft Word, Excel,

Access and PowerPoint, and Geographic Information Systems (GIS).

Ability to:

- read, interpret, and evaluate engineering plans and specifications for acceptable engineering practices;
- organize, analyze, and evaluate available information to draw reasonable conclusions;
- use time management skills to work on multiple projects;
- communicate effectively;
- walk, sit, and stand for extended periods of time, and climb, balance, stoop, kneel and crouch.

**Additional Requirement: To be considered, attach an example of your technical writing ability.**

***VETERANS' PREFERENCE ELIGIBLE***

The State of South Dakota offers paid employee health insurance plus ten paid holidays, generous vacation leave accrual, and medical, dental, vision, and other benefits. For more information visit <http://bhr.sd.gov/workforus/workbenefits.aspx>.

Apply at: <http://tinyurl.com/y86nbtw6>

South Dakota Bureau of Human Resources

500 East Capitol

Pierre, SD 57501-5070

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"An Equal Opportunity Employer"